

Title (en)

METHOD FOR THE PRODUCTION OF AROMATIC AMINES IN A FLUIDIZED BED REACTOR

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AROMATISCHEN AMINEN IN EINEM WIRBELSCHICHTREAKTOR

Title (fr)

PROCÉDÉ POUR PRODUIRE DES AMINES AROMATIQUES DANS UN RÉACTEUR À LIT FLUIDISÉ

Publication

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Application

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Abstract (en)

[origin: WO2008034770A1] Disclosed is a method for producing aromatic amines by catalytically hydrogenating the corresponding nitro compound in a fluidized bed reactor. In said method, a gaseous reaction mixture containing the nitro compound and hydrogen flows from the bottom to the top of a heterogeneous particulate catalyst that forms a fluidized bed. Said method is characterized in that baffles are provided in the fluidized bed, said baffles dividing the fluidized bed into a plurality of cells horizontally disposed in the fluidized bed reactor and a plurality of cells vertically disposed in the fluidized bed reactor. Furthermore, the cell walls are gas-permeable and are provided with openings which ensure that the heterogeneous particulate catalyst reaches a transfer rate ranging from 1 to 100 liters/hour per liter of reactor volume in the vertical direction.

IPC 8 full level

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CPC (source: EP KR US)

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